



Attorney Docket No.: 004589.P003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Alan Lasneski

Application No: 09/653,613

Filed: August 31, 2000

For: METHOD AND APPARATUS FOR
NOISE REDUCTION USING CAPTURED
IMAGES

Examiner: L. Shapiro

Art Unit: 2673

Commissioner For Patents
Washington, D.C. 20231AMENDMENT

Dear Sir:

In response to the Office Action mailed June 27, 2002, please enter this amendment and consider the following remarks.

IN THE SPECIFICATION

Please replace the paragraph on page 13, line 17 to page 14, line 7 with:

a1
cont

Based on the output of the image edge detection circuit 26 the microcontroller 16 further controls the delay device 18 and the counter 22 to eliminate phase noise and tracking errors. Based on the output of the reference frame capture circuit 27, the microcontroller 16 further controls the capture to frame memory in WRAM 132 of a reference frame from the frames output from the A/D converter 24 so as to eliminate phase noise and image distortion. The number of reference frames captured depends on the type of image being processed and a threshold setting such that the rate of capture of a reference frame is lower when the image is static (e.g. fixed image presentations), and higher when the image is dynamic (e.g. full motion video). The threshold setting is pre-selected to provide for the maximum elimination of phase noise and distortion, while providing a sufficient number of reference frames for proper replication of the digitally converted image at

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FACSIMILE COVER SHEET

Deliver to: Leonid Shapiro, USPTO Art Group: 2673
Facsimile No.: 1-703-872-9314 Date: September 24, 2002
From: Paul A. Mendonsa, Reg. No. 42,879
Our Docket No.: 4589P003 Number of pages 16 including this sheet
Application No.: 09/653,613 Filing Date: 8/31/2000
Docket Due Date(s): 9/27/2002

Enclosed are the following documents:

- ☒ Amendment: 13 pgs
☐ Appeal Brief (in triplicate) (pgs)
☐ Application: _____
 (pgs) w/cover & abstract)
☐ Assignment & Cover Sheet (pgs)
☒ Certificate of Facsimile _____
☐ Continued Prosecution Application (CPA)
☐ Declaration & POA (pgs)
☐ Drawings: sheets, figures
☐ Extension of Time: _____
☒ Fee Transmittal (in duplicate)
☐ IDS & PTO/SB/08 (pgs)
☐ Other _____

☐ Issue Fee Transmittal
☐ Notice of Appeal
☐ Petition for: _____
☐ Request for Continued Examination (RCE)
☐ Reply Brief (pgs)
☐ Request & Certification Under 35 USC 122(b)(2)(B)(i)
☐ Request to Rescind Previous Nonpublication Request
☐ Response to Notice of Missing Parts & Formalities Letter
☐ Response to Written Opinion (pgs)
☐ Terminal Disclaimer
☐ Transmittal of Publication Fee Due
☐ Transmittal Letter

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on 9/24/2002.

Deborah L. Higham

09/24/2002
Date

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PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

Complete if Known

Application Number	09/653,613
Filing Date	August 31, 2000
First Named Inventor	Alan Lasneski
Examiner Name	Leonid Shapiro
Group/Art Unit	2673
Attorney Docket No.	4589P003

METHOD OF PAYMENT (check one)
☐ Check ☐ Credit card ☐ Money Order ☐ Other ☒ None
☐ Deposit AccountDeposit
Account
Number

02-2666

Deposit
Account
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☐ Credit any overpayments
- ☐ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
- ☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	180	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
18	20*	0	\$0.00
Independent Claims	3	5*	0
Multiple Dependent			

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple Dependent claim, if not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

*or number previously paid, if greater. For Reissues, see below

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	60	227	26	Surcharge - late provisional filing fee or cover sheet	
130	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIF prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIF after Examiner action	
115	110	215	65	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	620	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,860	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
189	900	189	900	Request for expedited examination of a design application	

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Paul A. Mendonsa	Registration No. (Attorney/Agent)	42,879	Telephone	(503) 684-6200
Signature	<i>Paul A. Mendonsa</i>	Date	09/24/02		

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